



**United States
Merchant Marine
Academy**
Kings Point, New York
Presentation to:

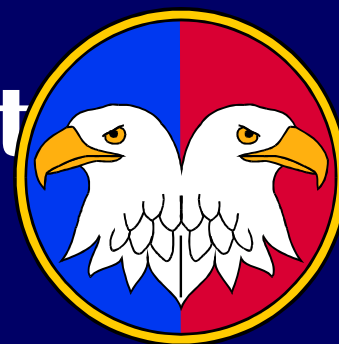
The

TRADOC

Reserve Component

**General Officer
Conference**

16 - 17 August 2001





Organization



United States Department of Transportation (US DOT)

Maritime Administration (MARAD)

United States Merchant Marine Academy (USMMA)

Undergraduate Program

Global Maritime and Transportation School (GMATS)



United States Merchant Marine Academy

Academy Undergraduate Mission

“To educate and graduate professional officers and leaders of honor and integrity, who are dedicated to serving the economic and defense interests of the United States in our armed forces and merchant marine, and who will contribute to an intermodal transportation system that effectively ties America together”

United States Merchant Marine Academy

Undergraduates receive:

**❑ Bachelor of Science
Degree**

*(Marine Transportation or Marine
Engineering)*

**❑ U.S. Coast Guard License
as Merchant Marine
Officer**

United States Merchant Marine Academy

Graduates' obligations:

- ☐ Work aboard ship or shoreside in the maritime or transportation industry for 5 years**
- ☐ Maintain U.S. Coast Guard License for 10 years**
- ☐ Service in the U. S. Naval Reserve for 8 years**

United States Merchant Marine Academy

Employment Status

Class of:	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>
Maritime Afloat	27%	25%	29%	34%	43%	46%
Maritime Ashore	42%	46%	47%	49%	35%	34%
Active Military	28%	24%	19%	14%	22%	19%

United States Merchant Marine Academy

Four Educational Components

- **Academic**
- **Regimental**
- **Physical**
- **Sea Year**

Undergraduate Curriculum

- **Program Elements**

- **Trimester System**
- **Sea Year Training (360 Sea Days)**
- **Internship Program (2 or 6 weeks)**

- **Accreditation**

- **Middle States Association of Colleges and Schools**
- **Accreditation Board for Engineering and Technology (ABET)**

Undergraduate Majors

Deck License Majors

- **Marine Transportation**
- **Marine Operations and Technology**
- **Logistics and Intermodal Transportation Management**

Engine License Majors

- **Marine Engineering**
- **Marine Engineering Systems [ABET Accredited]**
- **Marine Engineering & Shipyard Management [ABET Accredited]**

The Academy's “hands-on” Training Philosophy

- **Engineering Laboratories**
- **Nautical Science Laboratories**
- **Sea-Year Training**
- **Training Vessel Kinetics**

Global Maritime and Transportation School

at the United States Merchant Marine Academy



***“Hammer
Award”
Recipient***

***“For Reinventing
Government”***

Organization



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Undergraduate Program

Global Maritime and Transportation School (GMATS)



Transportation School “GMATS”

- GMATS is a wholly-owned government entity of the U. S. Department of Transportation which is funded without direct government support.
- Revenues to operate GMATS are generated through tuition and lodging fees.
- GMATS is designed to support the overall mission of the Academy in its service to the maritime and transportation industry.



**Global Maritime and
Transportation School**
at the United States Merchant Marine Academy



The Challenge

- 1999 DOT- MTS Study shows a doubling of freight carrying demand on America's transportation system by 2020.
- 1998 The LATTIS Report shows a tripling of trade volume with Latin America by 2020.
- The freight volume increase will cause a quadrupling of volume on land based systems.



**Global Maritime and
Transportation School**
at the United States Merchant Marine Academy



Mission

To offer leading-edge education and training programs that will benefit professionals from the maritime and transportation industry (private-sector, military, and government).

Through its education, training, and research initiatives, the GMATS is dedicated to optimizing America's economic and strategic intermodal transportation system and its global transportation interests.



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Transportation School “GMATS”

- **With over 140 courses, GMATS offers the most extensive maritime and transportation professional education program in the nation.**
- **Three Major Divisions:**
 - **Marine Engineering**
 - **Nautical Science & Military Affairs**
 - **Transportation, Logistics, and Management**



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Program Divisions

Nautical Science & Military Affairs

- **U.S. Coast Guard and IMO-STCW Compliance Training**
- **U.S. Naval Reserve and U.S. Army Reserve Training**
- **NOAA Corps Basic Officer and Refresher Training**
- **Military Sealift Command (MSC) Training**

Marine Engineering

- **Programs for Seagoing Engineers and Port Engineers**
- **Military Sealift Command (MSC) Training**
- **U.S. Naval Reserve and U.S. Army Reserve Training**
- **Training for Shipyard Personnel and Surveyors**



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and Maritime Business Division

- **Intermodal Freight Transportation Systems and Operations**
- **Supply Chain Management and Global Logistics**
- **Seaport and Terminal Operations and Management**
- **Maritime Business Programs**
 - **Marine Insurance and Admiralty/Maritime Law**
 - **Vessel Chartering and Brokerage**
 - **Cargo Security Management**
 - **Wet/Dry Bulk Commodity Transportation Systems**



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Faculty

- **Outstanding USMMA Faculty**
- **Senior Executives from the Transportation Industry and Shipper Community**
- **Guest Lecturers from Government Agencies and the Department of Defense (DoD)**
- **Academia from other fine Colleges and Universities**
- **Transportation, Engineering, and Logistics Management Consultants**



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Participants

- **Management Trainees**
- **Seasoned Professionals and Technical Operators**
- **Private-sector, Government, and Military**



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USMMA GMATS

- An official **U.S. Navy** certified “Non-Traditional Training Site”
- An official **U.S. Army** School (#125)
- The official school for the **NOAA** Officer Corps.



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USMMA GMATS Provides Training For Government Agencies

- U.S. Intelligence Agencies
- U.S. D.O.T.
- IRS
- OSHA
- MSC
- U.S. TRANSCOM
- U.S. Coast Guard
- U.S. DEA



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USMMA GMATS

International Education and Training

By providing high-quality, cost-effective education and training for transportation professionals from the international community, USMMA GMATS helps ensure a worldwide maritime and intermodal transportation system that is safe, efficient, and environmentally compliant.



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Industry Partners in Transportation Education and Training

- American Military University (AMU)
- American Bureau of Shipping (ABS Integrated Services)
- American Institute of Marine Underwriters (AIMU)
- American Steamship Owners Mutual Protection and Indemnity Association (American P&I Club)
- American Trucking Associations (ATA)
- ENO Transportation Foundation
- European Intermodal Association (EIA)
- Inland Marine Underwriters Association (IMUA)
- Intermodal Association of North America (IANA)
- International Association of Independent Tanker Owners (INTERTANKO)
- International Multimodal Transport Associations (IMTA)
- National Cargo Security Council (NCSC)
- National Highway Institute (NHI)
- Volpe Transportation Center
- ❖ *Other Partnerships under development*



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Master's Degree Programs

- ❑ **American Military University (AMU)**
 - **M.A. Transportation Management**
 - **M.A. Management with a major in Maritime Engineering**



**Global Maritime and
Transportation School**
at the United States Merchant Marine Academy



Strengths

- **America's "Transportation Academy"**
- **Worldwide Recognition**
- **Extensive Program Offerings - Over 140 Courses**
- **Partnerships With Industry**
- **Faculty Experience and Diversity**
- **"Hands-on" Philosophy - Laboratories/Field Visits**
- **Custom Training Programs**



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Advisors

- ❑ **33 Transportation Industry Leaders who:**
 - **Provide advice and guidance on GMATS' strategic planning**
 - **Ensure GMATS current programs and future curricula are relevant to industry needs**
 - **Promote GMATS in their dealings with the transportation industry**



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Vision

**“To be a world leader in
providing professional
education in maritime
activities, intermodal
transportation,
and logistics”**



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GMATS' Partnership with USATS

- USATS to provide oversight and guidance of Army Transportation Corps related training provided to USAR personnel by the GMATS.
- USATS to review and/or approve POIs for relevant USAR training programs.



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Benefits of GMATS-USATS Joint Partnership in Education and Training

- Partnership between USMMA/GMATs and the USATS serves the needs of the Army and the mission of the United States Merchant Marine Academy (USMMA).



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Army Training Programs

- Courses to be offered for AD and USAR/NG (some courses can be given in conjunction with drill weekends):
 - HAZMAT - CFR 49 Shipping Certification Course
 - Web Development Course
 - Professional Development Courses
(2 week ATs for Army Watercraft Personnel)
 - Courses as determined by USARC



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Army Training Programs

- Our facilities can be utilized by Army personnel to teach the following computer courses:
 - Transportation Coordinator-Automated Command and Control Information System (TC-ACCIS)
 - Military Standard Transportation and Movement Procedures (MILSTAMP)
 - Army Training Requirements and Resources System (ATRRS)



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Army Training Programs

- Programs currently listed in ATRRS (course lengths vary from 1 to 2 weeks):
 - Strategic Intermodal Transportation
 - Global/Business Logistics Management
 - Cargo Security Management
 - Introduction to the Maritime Shipping Industry
 - Port and Terminal Operations
 - Intermodal Freight Transportation
 - Creating/Managing an Internet/Intranet Site



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Army School # 125

- During the next year, USMMA GMATS will be developing professional development courses for the benefit of USAR watercraft operators and engineers.
- Courses will be non MOS producing.
- Courses will be coordinated with the training branch at U.S. Army Reserve Command and the Army Transportation School at Fort Eustis.



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Partners in Education and Training



U. S. Merchant Marine
Academy

Global Maritime and
Transportation School

and



The
U.S. Army
and

U.S. Army
Reserve

